

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL COAST REGION
1102-A Laurel Lane
San Luis Obispo, California 93401

ORDER NO. 88-157

40-AA-0002

WASTE DISCHARGE REQUIREMENTS

FOR

CALIFORNIA NATIONAL GUARD, DEPARTMENT OF THE ARMY

CAMP ROBERTS SOLID WASTE DISPOSAL SITE

SAN LUIS OBISPO COUNTY

The California Regional Water Quality Control Board, Central Coast Region, (hereafter Board), finds:

1. California National Guard (hereafter discharger) submitted a Report of Waste Discharge dated March 30, 1978, additional information on May 1, 1978, and filing fee on November 9, 1978, for the Camp Roberts Solid Waste Disposal Site.
2. The site is located on property owned by the U. S. Government and leased by the State of California as a reserve military post in Section 12, T25S, R11E, MDB&M, as shown on the enclosed Attachment "A".
3. The landfill covers approximately 14 acres and receives approximately 400 in-place compacted cubic-yards-per-month of municipal solid waste. The site has an estimated remaining capacity of 120,000 yds³ and a projected remaining life in excess of thirty years.
4. Based on logs from Camp Roberts water supply wells located 1.5 miles to the northeast, the site is underlain by alternate layers of clay and gravel that extend to a depth of approximately 150 feet. Clays within fifteen feet of the surface were found to be dry, well consolidated and relatively impermeable. Depth to first ground water is estimated to be 160 feet below ground surface.
5. Surface drainage is to the Salinas River located approximately 1.5 miles to the northeast. The site is outside the 100 year flood plain.
6. Land within 1000 feet of the site is owned by the discharger and is zoned as Unclassified.

7. These waste discharge requirements are being revised and updated to include current criteria applicable to management and disposal of wastes to land. The discharge has been regulated by Waste Discharge Requirements Order No. 78-04, adopted by the Board on January 13, 1978. This discharge has been regulated by the Board since June 12, 1970.
8. The Water Quality Control Plan, Central Coastal Basin, (Basin Plan) was adopted by the Board on March 14, 1975, and approved by the State Water Resources Control Board on March 20, 1975. The Basin Plan incorporates statewide plans and policies by reference and contains a strategy for protecting beneficial uses of State waters.
9. Present and anticipated beneficial uses of the Salinas River in the vicinity of the site include:
 - a. Domestic and Municipal Supply;
 - b. Agricultural Supply;
 - c. Industrial Supply;
 - d. Groundwater recharge
 - e. Non-water contact recreation
 - f. Wildlife habitat
10. Present and anticipated beneficial uses of the Salinas River in the vicinity of the site include:
 - a. Municipal and domestic supply;
 - b. Agricultural supply;
 - c. Industrial supply
11. This facility description and operation is consistent with the December 1986, version of the San Luis Obispo County-wide Solid Waste Management Plan, and a Solid Waste Facilities Permit has been issued by the San Luis Obispo County Health Department.
12. This disposal site meets criteria of the California Code of Regulations as stated in Title 23, Chapter 3, Subchapter 15, (hereafter Subchapter 15) for classification as a Class III landfill suitable to receive non-hazardous solid wastes.
13. These waste discharge requirements are for an existing facility and are exempt from the provisions of the California Environmental Quality Act (Public Resources Code, Section 21000, et seq.) in accordance with Section 15301, Chapter 3, Title 14, of the California Code of Regulations.
14. Discharge of waste is a privilege, not a right, and authorization to discharge waste is conditional upon the discharge complying with provisions of Division 7 of the California Water Code and with any more stringent effluent limitations necessary to implement the Basin Plan, to protect

beneficial uses, and to prevent nuisance. Compliance with this Order should assure conditions are met and mitigate any potential changes in water quality due to the project.

15. On September 22, 1988, the Board notified the Discharger and interested persons of its intent to reissue waste discharge requirements for the discharge and has provided them with a copy of the proposed order and an opportunity to submit written views and comments.
16. After considering all comments pertaining to this discharge during a public hearing on November 18, 1988, this Order consistent with the above findings.

IT IS HEREBY ORDERED, pursuant to authority in Section 13263 of the California Water Code, U. S. Army, California National Guard, their agents, successors, and assigns, may discharge waste at the Camp Roberts Class III, Solid Waste Disposal Site, providing compliance is maintained with the following:

(Note: other prohibitions and conditions, definitions, and the method of determining compliance are contained in the attached "Standard Provisions and Reporting Requirements for Waste Discharge Requirements" dated January, 1984. Applicable paragraphs are referenced in paragraph D.3 of this Order.)

A. Prohibitions

1. Discharge to areas other than those shown in Attachment "B" and as specified in the operations plan, is prohibited.
2. Discharge of leachate to surface waters is prohibited.
3. Discharge of designated waste (as defined in Subchapter 15, Section 2522) is prohibited.
4. Disposal of hazardous wastes, (except for waste that is hazardous due only to its friable asbestos content), as defined in Subchapter 15, Section 2521, is prohibited.
5. Disposal of waste in ponded water is prohibited.
6. Ponding of liquids over solid wastes is prohibited.
7. Discharge of liquid wastes (containing less than 50% solids) other than dewatered sewage sludge or water treatment sludge is prohibited.

8. Discharge of dewatered sewage or water treatment sludge to landfill areas which have no leachate collection and removal system is prohibited.
9. Disposal of wastes within 50 feet of property lines or 100 feet of wells is prohibited.
10. Disposal of wastes within five (5) feet of the highest anticipated elevation of underlying ground water is prohibited.

B. Discharge Specifications

1. Refuse disposed at this site shall be covered every 48 hours by at least six inches of cover material. Cover shall promote lateral runoff of rainfall away from the active landfill.
2. Waste management units, containment structures, and drainage facilities shall be designed and constructed to limit, to the greatest extent possible, ponding, infiltration, inundation, erosion, slope failure, washout and overtopping under 100-year precipitation conditions.
3. Surface drainage from tributary areas and internal site drainage shall not be allowed to contact or percolate through wastes discharged at the site.
4. Drainage ditches crossing over landfill areas shall be lined either with a synthetic liner or with at least a one-foot-thick layer of soil having an in-place permeability of no more than 10^{-6} cm/sec.
5. Unprotected landfill slopes shall be treated to prevent erosion. Vegetative cover shall be placed in a timely manner (i.e., seeded following first fall rains of season) for erosion control.
6. By November 1 of each year, cover materials shall be graded to divert precipitation from the waste management unit, to prevent ponding of surface water over wastes, and to resist erosion.
7. By November 1 of each year, all necessary runoff diversion and erosion prevention measures shall be in place to prevent erosion and flooding of those portions of the site containing waste.
8. By November 1 of each year, a compacted soil cover at least one foot thick shall be in place over all areas containing solid waste, excluding the active face.

9. Areas at final elevations shall be covered with at least 3 feet of final cover with the upper one foot having a permeability of 10^{-6} cm/sec or less. A minimum one-foot thick layer of soil suitable to support vegetative growth shall be placed over final cover shall be graded to a slope of at least 3%.
10. The migration of methane gas from waste shall be controlled as necessary to prevent creation of a nuisance or hazard.
11. A program for periodic intake load-checking shall be developed and implemented within six months from this Order's approval date to ensure that hazardous materials are not discharged at this site.
12. The discharger shall remove and relocate any wastes which are discharged at this site after November 18, 1988, in violation of these requirements.
13. All refuse material that is wind-blown outside the active landfill area shall be collected regularly and disposed in the landfill.
14. If adequate soil cover is not accessible during inclement weather, then adequate soil cover material shall be stockpiled during favorable weather to assure compliance during inclement weather.
15. Water used during disposal site operations shall be limited to a minimal amount reasonably necessary for dust control or compaction purposes.
16. Final landfill configuration shall conform to the contours delineated in the Operations Plan.
17. All site facilities shall be designed and constructed to minimize damage during the maximum probable earthquake to the graded foundation and to structures which control leachate, surface drainage, erosion, and gas.
18. The discharger shall prevent formation of a habitat for carriers of pathogenic microorganisms.
19. Incinerator ash may be discharged in the landfill provided chemical analyses are provided to the Executive Officer demonstrating that the waste is non-hazardous.
20. The discharger shall operate the site in conformance with an Operating Plan approved by the Regional Board Executive Officer except where the plan conflicts with

this order. In event of conflict, this order shall govern in cases where it is more conservative. Any changes to the Operations Plan that may affect compliance with this order must be approved by the Executive Officer.

21. Precipitation on the landfill which is not diverted by covers or drainage control systems shall be collected and managed through the leachate collection and removal system.
22. Leachate collection and disposal facilities, if necessary, shall be designed and constructed to accommodate peak flows resulting from storms having a predicted frequency of once in 100 years.
23. A minimum of two feet of freeboard shall be maintained in all leachate containment ponds.
24. Leachate containment ponds shall be underlain by a synthetic liner at least 40 mils thick or shall be lined with a two-foot-thick layer of soil placed at a relative compaction of at least 90 percent and with a resultant permeability no greater than 10^{-6} cm/sec. Leachate containment ponds shall not be placed over or within 50 feet of landfilled wastes.
25. Leachate shall not be applied to refuse fill without a plan approved by the Executive Officer.
26. Discharge of sewage sludge or water treatment sludge to the waste management unit shall meet all of the following criteria:
 - a) Sludge shall be discharged only to Waste Management Units that have a dendritic/blanket-type leachate collection and removal system (or acceptable equivalent) immediately above the liner, which is designed and operated to prevent the development of one foot or more of hydraulic head on the liner at any time.
 - b) A daily minimum solids-to-liquids ratio of 5 to 1 shall be maintained when co-disposing sludge with solid waste.
 - c) Primary sewage sludge shall contain at least 20 percent solids by weight.

- d) Secondary sewage sludge, mixtures of primary and secondary sewage sludge and water treatment sludge shall contain at least 15 percent solids by weight.
27. The handling and disposal of friable asbestos-containing wastes at this site shall be in accordance with all applicable federal, state, and local laws and regulations.

C. Receiving Water Limitations

1. The discharge shall not cause a statistically significant increase of mineral constituent concentrations in underlying ground-waters, as determined by comparison of samples collected from wells located upgradient and downgradient of the disposal area.
2. The discharge shall not cause concentrations of chemicals and radionuclides in groundwater to exceed limits set forth in Title 22, Chapter 15, Articles 4 and 5 of the California Code of Regulations.
3. The discharge shall not cause a violation of any applicable water quality standard for receiving waters adopted by the Regional Board or the State Water Resources Control Board.

D. Provisions

1. Order No. 79-12, "Waste Discharge Requirements for Camp Roberts Solid Waste Disposal Site," adopted by the Board on January 12, 1979, is hereby rescinded.
2. Discharger shall comply with "Monitoring and Reporting Program No. 88-157," as specified by the Executive Officer.
3. Discharger shall comply with the following items of the attached "Standard Provisions and Reporting Requirements for Waste Discharge Requirements" dated January, 1984: Nos. A.2., A.3., A.7., A.14., A.18.-23., A.25., A.26., B.1., B.3., B.5., B.6., B.7., C.1.-7., C.10.-15., E.1.-4., and F.1.-19. Oral and written reports required by "C.3." shall also be provided to the local Health Officer.
4. Employees of the Discharger will be aware of terms of this order which pertain to their duties and a copy of this Order shall be available for their reference.

5. The Discharger shall notify the Regional Board whenever there is a substantial change in the volume or character of waste discharged. Notice shall include information on the quality and quantity of waste discharged and the anticipated impact of the waste upon water quality and site operations.
6. Prior to April 1, 1989, the Discharger shall submit to the Board the most recent Site Operations Plan for approval by the Executive Officer. This plan shall include long term plans for operations or closure of the site.
7. Prior to January, 1990, the Discharger shall implement a water quality monitoring program that complies with the requirements of California Code of Regulations, Title 23, Subchapter 15, Article 5.
8. This Board considers the property owner to have a continuing responsibility for correcting any problems which may arise in the future as a result of this waste discharge.
9. The Discharger shall notify the Regional Board of units to be closed at least 180 days prior to beginning any partial or final closure activities. The notice shall include a statement that all closure activities will conform to the most recently approved closure plan and that the plan provides for site closure in compliance with all applicable federal and state regulations.
10. Prior to April 1, 1989, the Discharger shall submit to the Board a completed solid waste assessment test (SWAT) proposal that complies with the water quality monitoring requirements of California Code of Regulations Title 23, Subchapter 15. Prior to July 1, 1990 the Discharger shall submit to the Board a completed SWAT report pursuant to California Water Code Section 13273.
11. Pursuant to Title 23, Chapter 3, Subchapter 9, of the California Code of Regulations, the Discharger must submit a written report to the Executive Officer not later than June 1, 1993, which:
 - a) Discusses whether there will be changes in the continuity, character, location, or volume of the discharge;
 - b) Discusses whether, in their opinion, there is any portion of the Order that is incorrect, obsolete, or otherwise in need of revision; and;

- c) Includes a completed "Application for Facility Permit/Waste Discharge" for continued operation of the site, and, as appropriate, any updates to the site development and operating plans.

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CENTRAL COAST REGION
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MONITORING AND REPORTING PROGRAM NO. 88-157⁽¹⁾
FOR
CALIFORNIA NATIONAL GUARD
CAMP ROBERTS SOLID WASTE DISPOSAL SITE
SAN LUIS OBISPO COUNTY

INTAKE MONITORING

A daily log of wastes discharged shall be maintained and reported as follows:

- a) Volume; (cubic yards) of truck-compacted wastes discharged during reporting period;
- b) Fill-compacted volume (cubic yards) of wastes placed in disposal site during reporting period (a/3);
- c) Total fill-compacted volume (cubic yards) disposed at site as of last report;
- d) Total fill-compacted volume (cubic yards) placed in site to date (b&c);
- e) Remaining capacity; and,
- f) Specific type of wastes accepted.

REPORTING

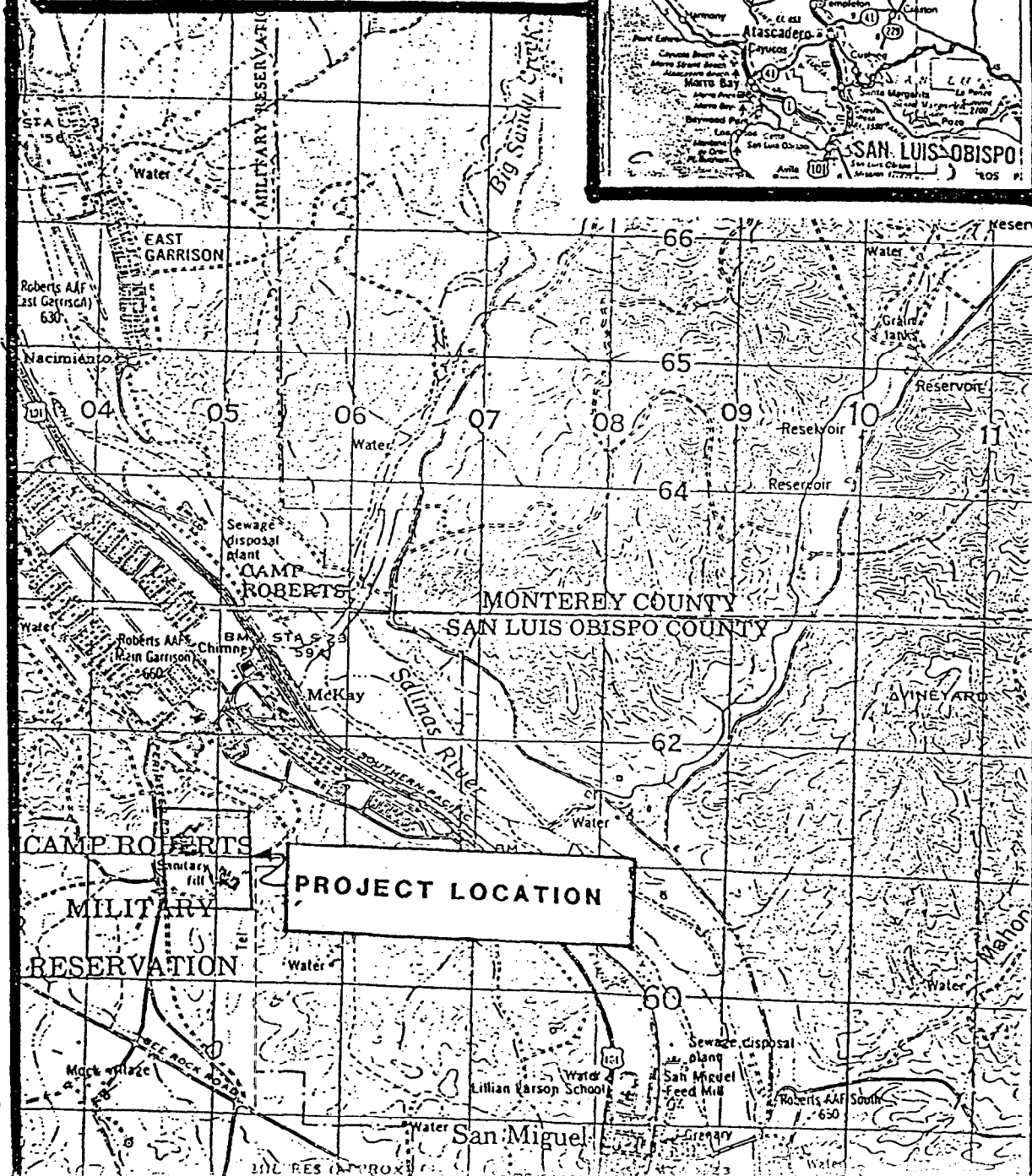
Monitoring reports shall be submitted to the Regional Board by the dates in the following schedule. In reporting the monitoring data, the discharger shall arrange the data in tabular form. The January report will include a statement on the condition and preparedness of runoff diversions and internal site drainage structures.

<u>Reporting Period</u>	<u>Report Due</u>
October 1 through December 31	January 20
January 1 through March 31	April 20
April 1 through June 30	July 20
July 1 through September 30	October 20

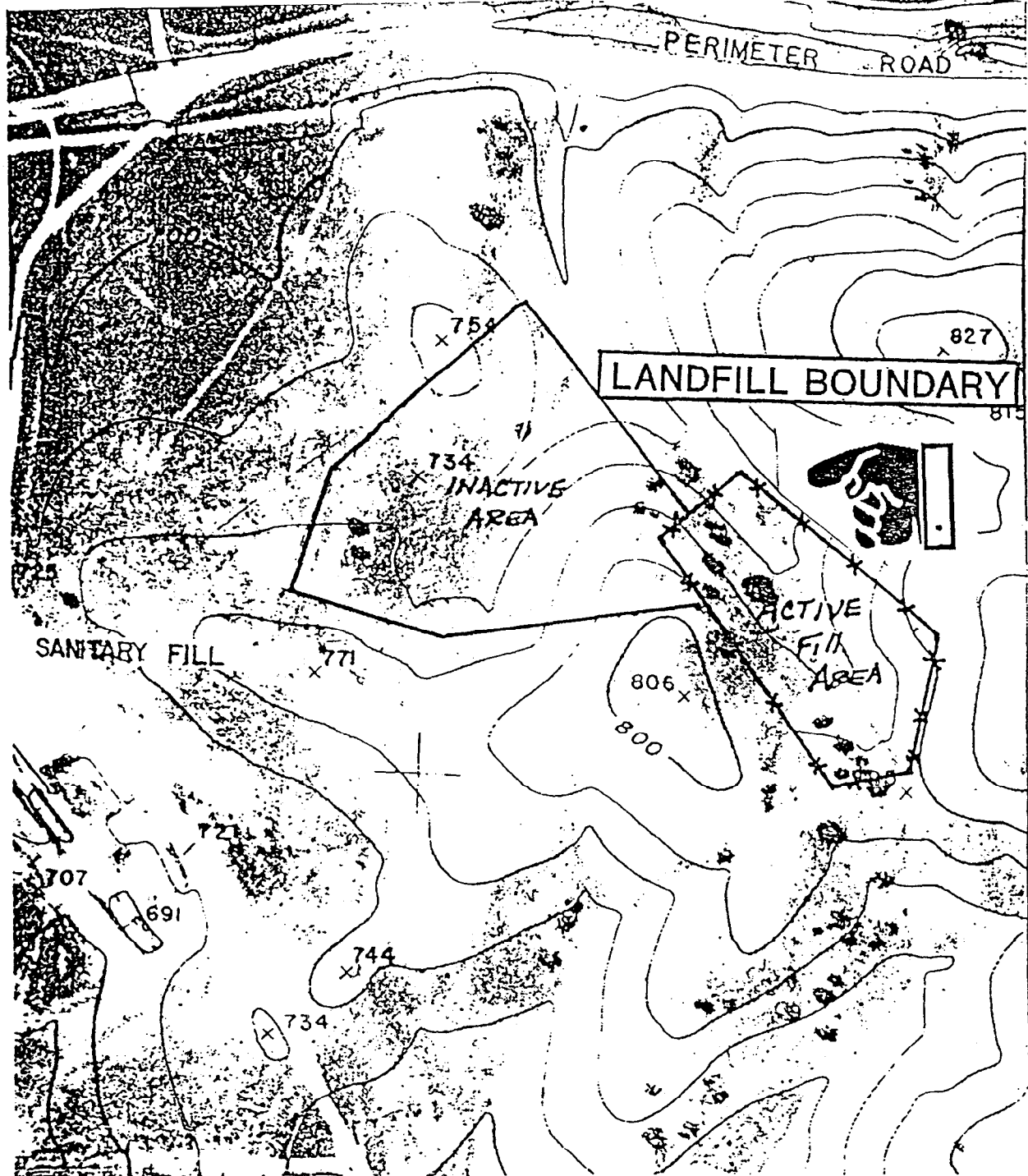
ORDERED BY _____
Executive Officer

November 18, 1988
Date

(1) This monitoring & reporting program will be modified to incorporate water quality monitoring resulting from compliance with Provision D.7. & D.10 of this order.

[illegible]

ATCH "A"



CAMP ROBERTS LANDFILL

ATCH "B"